

Converting Colors

$Y_{xy}(31.4949, 0.4090, 0.4805)$

Have a look what the booklet for
Yxy(31.4949, 0.4090, 0.4805)
contains.

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Color

Yxy(31.3451, 0.4089, 0.4804)

Conversions

Conversions Part 1

Format	Color
Hex	9F9C2E
RGB	159, 156, 46
RGB Percent	62%, 61%, 18%
CMY	0.3764, 0.3882, 0.8198
CMYK	0.00, 0.02, 0.71, 0.38
HSL	58°, 55%, 40%
HSV	58°, 71%, 62%
XYZ	26.6799, 31.3451, 7.2229
YIQ	144.3570, 37.0980, -33.5740

Conversions

Conversions Part 2

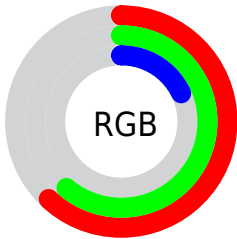
Format	Color
RYB	49, 159, 46
Decimal	10460206
CIELab	62.80, -12.27, 54.90
CIELCh	63, 56.250, 102.596
Yxy	31.3451, 0.4089, 0.4804
Android (android.graphics.Color)	4288650286 (0xFF9F9C2E)
YUV	144.3570, -48.4900, 12.8419
Hunter-Lab	55.9867, -12.9144, 31.5416

Details

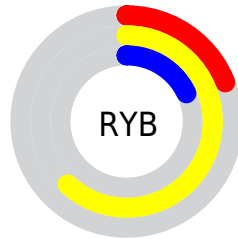
The Yxy color **31.3451, 0.4089, 0.4804** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2756, 0.1799, 0.1119**, and the grayscale version is **28.2288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5930, 0.3940, 0.4526**, and **13.0462, 0.4178, 0.5065** is the 20% darker color. If you saturate the color by 10%, you get **31.1022, 0.4163, 0.4913**, and if you desaturate by 10%, it is **31.6379, 0.3990, 0.4654**.

Distribution



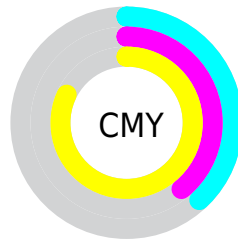
- Red (62%)
- Green (61%)
- Blue (18%)



- Red (19%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (2%)
- Yellow (71%)
- Black (38%)





- Cyan (38%)
- Magenta (39%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3451, 0.4089, 0.4804 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.3451, 0.4089, 0.4804 by changing the saturation by 10% instead.


 31.3451, 0.4089,
0.4804


 31.3451, 0.4089,
0.4804

308.1251, 0.3635,
0.4024


 20.8618, 0.4174,
0.4985


 61.7830, 0.3940,
0.4526


 13.0230, 0.4257,
0.5198

 82.5063, 0.3879,
0.4419

 7.4444, 0.4387,
0.5527


 107.4118, 0.3825,
0.4327

 3.7415, 0.4306,
0.5694

 136.8838, 0.3777,
0.4249

 1.5301, 0.4102,
0.5898

 171.3068, 0.3735,
0.4182

 0.3097, 0.0000,
1.0000

 211.0650, 0.3698,

 0.0000, 0.0000,

0.4122

0.0000

256.5430, 0.3665,
0.4070

■ 31.3451, 0.4089,
0.4804

■ 31.3451, 0.4089,
0.4804

■ 31.1022, 0.4163,
0.4913

■ 31.6379, 0.3990,
0.4654

■ 30.8993, 0.4212,
0.4981

■ 31.9807, 0.3871,
0.4470

■ 30.7421, 0.4240,
0.5016

■ 32.3791, 0.3735,
0.4258

■ 32.8368, 0.3590,
0.4028

■ 33.3570, 0.3439,
0.3789

■ 33.9428, 0.3289,
0.3550

■ 34.5972, 0.3143,
0.3315

■ 35.3228, 0.3004,
0.3091

■ 36.1222, 0.2873,
0.2881

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.3451, 0.4696, 0.4274



31.3451, 0.4089, 0.4804



31.3451, 0.3276, 0.4923

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.3451, 0.4089, 0.4804



31.3451, 0.1638, 0.2546



31.3451, 0.3670, 0.2487

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.3451, 0.4089, 0.4804



5.2756, 0.1799, 0.1119

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.3451, 0.2766, 0.2116



31.3451, 0.4089, 0.4804



31.3451, 0.1710, 0.2095

Square

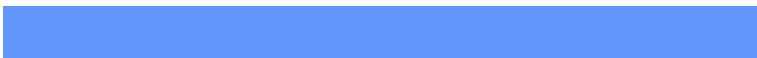
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.3451, 0.4089, 0.4804



31.3451, 0.1885, 0.3366



31.3451, 0.2085, 0.1972



31.3451, 0.4502, 0.3022

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.3451, 0.4089, 0.4804



31.3451, 0.2722, 0.4614



31.3451, 0.2085, 0.1972



31.3451, 0.3358, 0.2341

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.3466, 0.4089, 0.4804



59.7044, 0.3444, 0.3796



9.5493, 0.5391, 0.3250



13.4037, 0.3483, 0.3859



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3466, 0.4089, 0.4804



55.4870, 0.4193, 0.4956



28.0748, 0.3497, 0.5204



7.6901, 0.3261, 0.3505



24.2889, 0.4239, 0.5016



0.4427, 0.4219, 0.5032

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.2756, 0.1799, 0.1119



6.0145, 0.1596, 0.0774



7.0896, 0.2332, 0.1339



6.4621, 0.2987, 0.3065



2.0595, 0.1506, 0.0622



0.0442, 0.1537, 0.0732

Previews

White Background



This preview shows how the Yxy color 31.3451, 0.4089, 0.4804 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.3451, 0.4089, 0.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

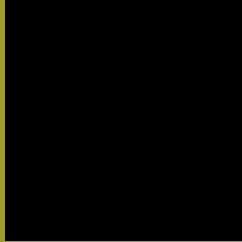
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3451, 0.4089, 0.4804

Background



This preview shows how black text looks on a background with the Yxy color 31.3451, 0.4089, 0.4804.



This preview shows how white text looks on a background with the Yxy color 31.3451, 0.4089, 0.4804.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.3451, 0.4089, 0.4804

Protanopia

31.1920, 0.4254, 0.4692

Deuteranopia

31.1240, 0.4524, 0.4430



Tritanopia

31.4271, 0.3260, 0.3130

Trichromacy



Original Color

31.3451, 0.4089, 0.4804

Protanomaly

31.0789, 0.4200, 0.4731

Deuteranomaly

30.9853, 0.4370, 0.4554

Tritanomaly

31.0964, 0.3614, 0.3792

Monochromacy



Original Color

31.3451, 0.4089, 0.4804

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.6521, 0.3534, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3451, 0.4089, 0.4804 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(159, 156, 46)` looks like.

```
.text, #text, p{  
    color:rgb(159, 156, 46)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(159, 156, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 156, 46) }
```

Border

The CSS property to change the border of an element to Yxy 31.3451, 0.4089, 0.4804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 156, 46) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(159, 156, 46) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(159, 156, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 156, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 156, 46);  
box-shadow:4px 4px 4px 4px rgb(159, 156,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3451, 0.4089, 0.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 156, 46) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(159,  
156, 46) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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